RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	/0/720.0/8A
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IFW16

RAW SEQUENCE LISTING DATE: 03/10/2006
PATENT APPLICATION: US/10/720,018A TIME: 16:13:04

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Output Set: N:\CRF4\03102006\J720018A.raw

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3 <110> APPLICANT: Verho, Ritva
       Richard, Peter
        Penttila, Merja
7 <120> TITLE OF INVENTION: New Enzyme for an in vivo and in vitro Utilisation of
         carbohydrates
10 <130> FILE REFERENCE: 2530-102
12 <140> CURRENT APPLICATION NUMBER: US 10/720,018A
14 <141> CURRENT FILING DATE: 2003-11-24
16 <150> PRIOR APPLICATION NUMBER: US 10/257,821
18 <151> PRIOR FILING DATE: 2003-03-10
20 <150> PRIOR APPLICATION NUMBER: PCT/FI02/00125
22 <151> PRIOR FILING DATE: 2002-02-15
24 <150> PRIOR APPLICATION NUMBER: FI 2003 31307
26 <151> PRIOR FILING DATE: 2003-09-12
28 <150> PRIOR APPLICATION NUMBER: FI 2001 10308
30 <151> PRIOR FILING DATE: 2001-02-16
32 <160> NUMBER OF SEQ ID NOS: 6
34 <170> SOFTWARE: PatentIn version 3.2
36 <210> SEQ ID NO: 1
37 <211> LENGTH: 816
38 <212> TYPE: DNA
39 <213> ORGANISM: Ambrosiozyma monospora
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46 ttgcttgata tcgaccaaga aaagactgct gccaaacaag ccgaatacca caaatacgct
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48 actgaagaat tgaagttgaa agaagttcca aagatgggtt catatgcctg tgatatttct
                                                                         240
50 gattctgata ccqttcacaa qqtqtttqct caagttgcta aggattttgg taagttgcca
                                                                         300
52 ttgcacttgg ttaacacagc tggttactgt gaaaacttcc catgtgaaga ttacccagcc
                                                                         360
54 aagaacgctg agaagatggt gaaggttaac ttgttgggtt ctttgtatgt ttctcaagcc
                                                                         420
                                                                         480
56 tttgctaagc cattgatcaa agaaggtatc aagggtgctt ctgttgtttt gattggttct
58 atgtctggtg ccattgtcaa cgatcctcaa aaccaagttg tctacaacat gtccaaggct
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60 ggtgttatcc atttggctaa gactttggct tgtgaatggg ctaagtacaa catcagagtt
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62 aattetttaa acccaggtta catctacggt cetttgacca agaatgttat caatggtaac
                                                                         660
                                                                         720
64 gaagaattgt acaacagatg gatctctggt atcccacaac aaagaatgtc cgaaccaaag
66 gaatacattg gtgctgtttt gtacttgctt tctgaatctg ctgcttcata cactactggt
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72 <211> LENGTH: 272
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76 <400> SEQUENCE: 2
78 Met Thr Asp Tyr Ile Pro Thr Phe Arg Phe Asp Gly His Leu Thr Ile
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86 Leu Ala Tyr Gly Ser Asp Ile Ala Leu Leu Asp Ile Asp Gln Glu Lys
90 Thr Ala Ala Lys Gln Ala Glu Tyr His Lys Tyr Ala Thr Glu Glu Leu
94 Lys Leu Lys Glu Val Pro Lys Met Gly Ser Tyr Ala Cys Asp Ile Ser
                      70
98 Asp Ser Asp Thr Val His Lys Val Phe Ala Gln Val Ala Lys Asp Phe
                  85
                                      90
102 Gly Lys Leu Pro Leu His Leu Val Asn Thr Ala Gly Tyr Cys Glu Asn
              100
                                   105
106 Phe Pro Cys Glu Asp Tyr Pro Ala Lys Asn Ala Glu Lys Met Val Lys
           115
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110 Val Asn Leu Leu Gly Ser Leu Tyr Val Ser Gln Ala Phe Ala Lys Pro
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114 Leu Ile Lys Glu Gly Ile Lys Gly Ala Ser Val Val Leu Ile Gly Ser
                       150
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118 Met Ser Gly Ala Ile Val Asn Asp Pro Gln Asn Gln Val Val Tyr Asn
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122 Met Ser Lys Ala Gly Val Ile His Leu Ala Lys Thr Leu Ala Cys Glu
               180
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126 Trp Ala Lys Tyr Asn Ile Arg Val Asn Ser Leu Asn Pro Gly Tyr Ile
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                               200
130 Tyr Gly Pro Leu Thr Lys Asn Val Ile Asn Gly Asn Glu Glu Leu Tyr
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134 Asn Arg Trp Ile Ser Gly Ile Pro Gln Gln Arg Met Ser Glu Pro Lys
                       230
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138 Glu Tyr Ile Gly Ala Val Leu Tyr Leu Leu Ser Glu Ser Ala Ala Ser
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160 <212> TYPE: DNA
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Input Set : A:\2530-120.txt

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Output Set: N:\CRF4\03102006\J720018A.raw

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